INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/014787

A. CLASSIFIC Int.Cl ⁷	CATION OF SUBJECT MATTER C22C38/00, C22C38/50, C21D9/4	0		
According to Into	ernational Patent Classification (IPC) or to both national	classification and IPC		
B. FIELDS SEARCHED				
	tentation searched (classification system followed by classification c22C38/00, C22C38/50, C21D9/4			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922–1996 Toroku Jitsuyo Shinan Koho 1994–2005				
Kokai Ji	tsuyo Shinan Koho 1971-2005 Ji	tsuyo Shinan Toroku Koho	1996-2005	
	ase consulted during the international search (name of d	lata base and, where practicable, search te	erms used)	
WPI				
C. DOCUMEN	ITS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where app	propriate, of the relevant passages	Relevant to claim No.	
Y	JP 2003-226919 A (NTN Corp.) 15 August, 2003 (15.08.03),	,	1-4	
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	19 April, 2002 (19.04.02), Par. No. [0047]			
	(Family: none)			
Further documents are listed in the continuation of Box C. See patent family annex.				
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention				
"E" earlier application or patent but published on or after the international "X" document of particular relevance; the claimed invention cannot be			laimed invention cannot be	
	which may throw doubts on priority claim(s) or which is blish the publication date of another citation or other	step when the document is taken alone		
special reason (as specified) considered to involv		"Y" document of particular relevance; the considered to involve an inventive sombined with one or more other such	step when the document is	
"P" document published prior to the international filing date but later than the		being obvious to a person skilled in the "&" document member of the same patent f	e art	
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Date of the actual completion of the international search 27 January, 2005 (27.01.05) Date of mailing of the international search report 15 February, 2005 (15.02.05)				
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and manifest of the left		Authorized officer		
Japanese Patent Office				
Facsimile No.		Telephone No.		

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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2001-152252 A (NSK Ltd.), 05 June, 2001 (05.06.01), Par. No. [0023] (Family: none)	1-4
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